Dkt. No.: PSU-013

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Allcock et al.	))	
SERIAL NO.: 10/779,483	))	Art Unit: 1711
FOR: Synthesis of Polyphosphazenes with Sulfonimide Side Groups	))	Examiner: Truong, Doc

Commissioner for Patents
Alexandria, VA 22313

DECLARATION UNDER 37 C.F.R. 1.132

We, Daniel T. Welna and Richard M. Wood hereby declare that:

We, together with Harry R. Allcock, Catherine M. Ambler, Michael A. Hofmann and Andrew E. Maher are co-inventors of the subject matter of pending claims 43-46 of the above-identified application.

Harry R. Allcock, Catherine M. Ambler, Michael A. Hofmann and Andrew E. Maher, together with Elena Chalkova, Xiangyang Y. Zhou, and Serguei N. Lvov are co-authors of the Hofmann et al. reference entitled " Synthesis of Polyphosphazenes with Sulfonimide Side Groups". The aforesaid Hofmann et al. reference is cited by examiner against claims 43-46 of the above-identified application.

Elena Chalkova, Xiangyang Y. Zhou, and Serguei N. Lvov, in connection with synthesis of $[NP(OC_6H_4CH_3)(OC_6H_4SO_2NNaSO_2CF_3]$, worked under the direction of ourselves and our co-applicants and were not named as co-applicants for any of the claims of the above-identified application.

We have compared the Hofmann et al. reference to claims 43-46 of the above-identified application. Based on this comparison, for reasons discussed below, we

declare that the teachings of Hofmann et al. directed to synthesis of $[NP(OC_8H_4CH_3)(OC_6H_4SO_2NNaSO_2CF_3]$ constitute the work of ourselves and our co-inventors as disclosed in the specification of the above-identified application and as claimed in claims 43-46 of that application.

Claims 43-46 of the above-identified application relate to a phenoxy sulfonimide functionalized polyphosphazene copolymer of the formula $[NP(ZR^2)_x(ZC_6H_4SO_2NR^1SO_2R_f)_{2-x}]_n$ where R^1 is any of Na, Li, H and K

Hofmann et al., at page 6491, shows a phenoxy sulfonimide functionalized polyphosphazene copolymer of the formula $[NP(OC_6H_4CH_3)(OC_6H_4SO_2NNaSO_2CF_3]$.

Comparison of the polyphosphazene copolymer $[NP(OC_6H_4CH_3)(OC_6H_4SO_2NNaSO_2CF_3]$ of the Hofmann et al. reference with the claimed copolymer $[NP(ZR^2)_x(ZC_6H_4SO_2NR^1SO_2R_f)_{2-x}]_n$ shows that $[NP(OC_6H_4CH_3)(OC_6H_4SO_2NNaSO_2CF_3]$ is a species of the claimed copolymer $[NP(ZR^2)_x(ZC_6H_4SO_2NR^1SO_2R_f)_{2-x}]_n$ where R^1 is Na.

Based on comparison of the phenoxy sulfonimide functionalized polyphosphazene copolymers of claims 43-46 with the $NP(OC_6H_4CH_3)(OC_6H_4SO_2NNaSO_2CF_3]$ copolymer of the Hofmann et al. reference, we declare that the phosphazene copolymer $NP(OC_6H_4CH_3)(OC_6H_4SO_2NNaSO_2CF_3]$ of the Hofmann et al. reference constitutes solely the work of ourselves and of our co-applicants Harry R. Allcock, Catherine M. Ambler, Michael A. Hofmann and Andrew E. Maher.

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity or the application or any patent issuing thereon.

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Daniel T. Welna

_3/6/66_____
　　　Date

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Richard M. Wood

_3/6/06_____
　　　Date

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